

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Valery Dubin, et al.

Application No. Not Yet Assigned

Filed: Not Yet Assigned

For: ELECTROPLATING BATH COMPOSITION
AND METHOD OF USING

RULE 1.53(B) DIVISIONAL OF:

SERIAL NO.: 09/970,723

FILED: OCTOBER 3, 2001

Commissioner for Patents

P.O. Box 1450

Alexandria, Virginia 22313-1450

Examiner: Leader, William T.

Art Unit: 1742

INFORMATION DISCLOSURE STATEMENT

Sir:

Applicant hereby requests consideration of the enclosed Information Disclosure Statement pursuant to 37 C.F.R. §1.97(b). Attached are the PTO Forms 1449 and Forms 892 from the parent application filed on October 3, 2001 (Serial No. 09/970,723). This previous application is relied upon for an earlier filing date under 35 U.S.C. §120.

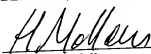
Pursuant to C.F.R. §1.98(d), copies of the references are not being provided herewith since they were previously sent to the Patent and Trademark Office. Please consider these cited documents in the §1.53(b) divisional application filed on August 12, 2004.

Pursuant to 37 C.F.R. § 1.97, the submission of this Information Disclosure Statement is not to be construed as a representation that a search has been made and is not to be construed as an admission that the information cited in this statement is material to patentability.

Respectfully submitted,

BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP

Dated: 8/12, 2004


Heather M. Molleur
Reg. No. 50,432

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Form 1449/P10

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**
(use as many sheets as necessary)

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Application Number	09/970,723
Filing Date	October 3, 2001
First Named Inventor:	Valery Dubin
Art Unit	1742
Examiner Name	Leader, William T.
Attorney Docket Number	42390P8974D

Sheet	1	of 2
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U.S. PATENT DOCUMENTS

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FOREIGN PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS						T ^o
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	
		Country Code ³ Number ² Kind Code ⁵ (if known)				
		DE 199 52 273 A1	05-11-2000	Kobe Steel Ltd.		
		EP 0 982 771 A1	03-01-2000	Lucent Technologies Inc.		
		WO 99/40615	08-12-1999	Semitool, Inc.		

Examiner Signature	Date Considered
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Notice of References Cited

Application/Control No.
09/970,723

Ant(s)/Patent Under
Reexamination
DUBIN ET AL.

Examiner
William T. Leader

Art Unit
1742

Page 1 of 1

U.S. PATENT DOCUMENTS

*	Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	Classification
A	US-6,210,555	04-2001	Taylor et al.	205/103
B	US-6,261,433	07-2001	Landau, Uziel	205/96
C	US-6,440,269	08-2002	Woo et al.	205/103
D	US-			
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FOREIGN PATENT DOCUMENTS

*	Document Number Country Code-Number-Kind Code	Date MM-YYYY	Country	Name	Classification
N					
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NON-PATENT DOCUMENTS

*	Include as applicable: Author, Title Date, Publisher, Edition or Volume, Pertinent Pages)
U	Frederick A. Lowenheim, Electroplating, McGraw-Hill Book Co. New York, 1978, pp. 139-140, 202.
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*A copy of this reference is not being furnished with this Office action. (See MPEP § 707.05(p).)
Dates in MM-YYYY format are publication dates. Classifications may be US or foreign.

U.S. Patent and Trademark Office
PTO-892 (Rev. 01-2001)

Notice of References Cited

Part of Paper No. 7

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Attorney Docket Number	42390P8974D

Sheet	2	of	2
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OTHER ART - NO PATENT LITERATURE DOCUMENTS

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Group Art Unit	1741
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Sheet	1	of	1
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Sheet	1	of	3
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Exam. Initial*	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	
		Office ²	Number ⁴	Kind Code ³ (If known)				
		EP	1026286	A2	Ebara Corporation	8/9/2000		
		EP	1054080	A2	Shipley Company LLC	11/22/2000		
		EP	1069210	A1	Applied Materials, Inc.	1/17/2000		
		EP	1069212	A1	Applied Materials, Inc.	1/17/2001		
		EP	1111096	A2	Shipley Company LLC	6/27/2001		
		EP	1122989	A2	Shinko Electric Industries Co.	8/8/2001		
		EP	1132500	A2	Applied Materials, Inc.	9/12/2001		

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		EP	1118696	A1	Ebara Corporation	7/25/2001	
		EP	0862665		Atotech Deutschland GMBH	9/9/1998	
		DE	2025538		Lokomotivbau Elektrotech	10/21/1971	
		WO	0014306		Hong Akihisa	3/16/2000	
		WO	0041518		Applied Materials	12/15/1998	

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